

PTO/SB/97 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8**RECEIVED
CENTRAL FAX CENTER****SEP 14 2005**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office to Fax Number 703-872-9306 on September 14, 2005.



Signature

William Banning Vail III

Typed or printed name of person signing Certificate

If you have any problems with this fax or the this payment, please call William Banning Vail III at 425-486-8789. Thank you.

Total Number of Pages (Including this sheet): 16

Sent to: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RE: Response to Office Action Mailed 7/14/2005

Serial No: 10/729,509

Filing Date: 12/04/2003

Examiner: Thomas A. Beach

Group Art Unit: 3671

Sent with this Cover Sheet: 1. Response to Office Action Mailed 7/14/2005
2. Transmittal Form PTO/SB/21

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 14 2005

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10729,509
	Filing Date	12/04/2003
	First Named Inventor	James E. Chitwood
	Art Unit	3671
	Examiner Name	Thomas E. Beach
Total Number of Pages in This Submission	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks 1. "Response to Office Action Mailed 7/14/2005" 2. Separate "Certificate of Transmission Under 37 CFR 1.8"		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name		
Signature	<i>William Banning Vail III</i>	
Printed name	William Banning Vail III	
Date	SEP 14, 2005	Reg. No.

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature	<i>William Banning Vail III</i>	
Typed or printed name	William Banning Vail III	Date 9/14/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

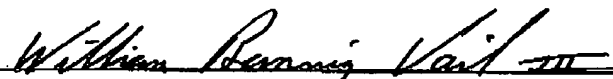
RECEIVED
CENTRAL FAX CENTER

SEP 14 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICECertificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office to Fax Number 703-872-9306 on the date of September 14, 2005.

Signature:

Printed Name: William Banning Vail III

If you have any problems with this fax, please call William Banning Vail III at 425-486-8789. Thank you.

RESPONSE TO OFFICE ACTION MAILED 7/14/2005SERIAL NUMBER: 10/729,509FILING DATE: 12/04/2003EXAMINER: THOMAS A. BEACHGROUP ART UNIT: 3671FIRST NAMED INVENTOR: JAMES E. CHITWOODSECOND NAMED INVENTOR: WILLIAM BANNING VAIL III

TITLE: HIGH POWER UMBILICALS FOR ELECTRIC FLOWLINE
IMMERSION HEATING OF PRODUCED HYDROCARBONS

"RESPONSE TO OFFICE ACTION
MAILED 7/14/2005"
Serial No. 10/729,509
Rig-2

- 1 -

1 September 14, 2005

2
3
4 Commissioner for Patents
5 P.O. Box 1450
6 Alexandria, VA 22313-1450
7
8

RECEIVED
CENTRAL FAX CENTER
SEP 14 2005

9 Dear Sir:

10
11 This Amendment/Reply is sent to the USPTO in response to
12 the July 14, 2005 Office Action.
13

14
15 ADDITIONAL DOCUMENTS ACCOMPANYING
16 THIS TRANSMITTAL LETTER:
17

- 18 1. Transmittal Form PTO/SB/21
19
20 2. Separate Certificate of Transmission Under
21 37 CFR 1.8
22
23
24

25 The list of current Claims begins on page 3 of this
26 paper. The Remarks begin on page 7 of this paper.
27
28
29
30
31
32
33

"RESPONSE TO OFFICE ACTION
MAILED 7/14/2005"
Serial No. 10/729,509
Rig-2

- 2 -